

# SIES Graduate School of Technology

5 days Hands on Training

on

## Machine Learning with Python

under

Center of Excellence in Data Science and Deep learning

Dec 17-21, 2018

(9.30 AM to 4.30 PM)

By the end of this course, students will be able to identify the difference between a supervised (classification) and unsupervised (clustering) technique, identify which technique they need to apply for a particular dataset and need, engineer features to meet that need, and write python code to carry out an analysis.

- Extraction, transformation, scraping, joining and cleaning of large data sets
- Hands-on knowledge on Machine learning concepts in Python using problem solving approach by working on real time cases and in class programming assignments
- Use machine learning libraries and apply established machine learning algorithms in Python

**Module 1:** Data Cleaning and Preprocessing

**Module 2:** Fundamentals of Machine Learning - Intro to SciKit Learn

**Module 3:** Supervised Machine Learning- Classification

**Module 4:** Regression

**Module 5:** UnSupervised Machine Learning

**Mini Project Implementation**

### Resource Persons:

1. Prof. Pranita Mahajan
2. Prof. Mrinal Khadse
3. Prof. Varsha Patil
4. Prof. Vaishali Bhujade
5. Prof. Swati Rane
6. Prof. Shyamala Mathi

1. **Prerequisite:** Basic python and Basic Statistics
2. Students from SE/TE/BE (All Branches) –First Come First Serve( 20 seats)

Course Fees: 500/- per person

(\*Certificates will be provided only after successful completion of project)

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